

Application No.: 10/761,984

Docket No.: JCLA11903

REMARKS

Present Status of the Application

Figures 1A, 1B and 1C were objected to because the legend "Prior Art" should be added. The Office Action objected claim 4 as having minor errors. Claims 4-7 are pending. Claim 4 is rejected under 35 U.S.C. 102(b) as being anticipated by Scoggins (US-6,469,587, "Scoggins" hereinafter). Applicants have amended claim 4. After entry of the foregoing amendments, claims 1-7 remain pending in the present application, and reconsideration of those claims is respectfully requested.

IN THE DRAWINGS

FIG. 1A, FIG. 1B, and FIG. 2B have been amended to include the missing "Prior Art" designation as stated by the Examiner in the Office Action. They are presented in the appendix.

Discussion of Objections

Claim 4 is objected to as having a minor error, and reconsideration is respectfully requested. Claim 4 is allowable once the minor spelling error is corrected.

In response thereto, Claim 4 has been amended to correct the minor error.

In view of the aforementioned, Applicants respectfully assert that the objections are no longer proper.

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Discussion of the claim rejection under 35 USC 102

The Office Action rejected claim 4 under 35 U.S.C. 102(b) as being anticipated by Scoggins (US-6,469,587).

In the Office Action dated May 23, 2005, the Examiner rejected claim 4 under 35 U.S.C. 102(b) as being anticipated by Scoggins (US-6,469,587). Applicants found the "...the first terminal (Scoggins, End of R₁₅ in FIG 5) coupled to the tuning terminal of the first single-end varactor circuit..." and "...the voltage dividing terminals of the voltage divider are coupled to nodes of the single-end varactor circuits..." in Claim 4 to patentably distinguish over Scoggins. The aforementioned is supported in FIG 5 of the Applicants.

In respect to the "...the first terminal coupled to the tuning terminal of the first single-end varactor circuit..." features, the Examiner has stated that "...the first terminal (end of R₁₅) couple to the tuning terminal (N₁ via V₁) of the first single-end varactor circuit (V₁)..." However, the first terminal in Scoggins is NOT coupled to the tuning terminal. The first terminal in Scoggins is coupled to N₂ instead, and N₂ in Scoggins is then coupled to N₁ via V₁ as evidenced in FIG. 5 in Scoggins. On the other hand, "The first terminal X₁ is coupled to the tuning terminal 46..." is found in paragraph [0056] of the Applicants'. Therefore, Scoggins does not teach, suggest, or disclose the above feature.

Furthermore, a voltage divider is found in "...the voltage dividing terminals of the voltage divider are coupled to nodes of the single-end varactor circuits..." in Claim 4 in Applicants'. On the other hand, although the Examiner in the Office Action dated May 23, 2005

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stated that a "voltage divider" is found in R_{15} & R_{17} in FIG 5 in Scoggins, the R_{15} & R_{17} in Scoggins is not a "voltage divider" based on the following facts: The definition of voltage divider in the art is as evidenced on pages 60 – 61 in James W. Nilsson, "Electric Circuits", 4th Edition, Addison-Wesley Publishing Co., 1993: FIG. 3.11 in the aforementioned cited reference depicts a voltage-divider circuit which is different to R_{15} & R_{17} in FIG 5 in Scoggins. In addition, the V_o , which is the output voltage, in the aforementioned cited reference is defined differently from the output voltage for the R_{15} & R_{17} in FIG 5 in Scoggins, which is defined as the difference between voltage at N2 of Scoggins and (-) in FIG 5 in Scoggins. As a result, claim 4 is patentably distinguish over Scoggins, and claim 4 should be allowed.

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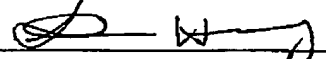
CONCLUSION

For at least the foregoing reasons, it is believed that all the pending claims 4-7 of the present application patently define over the prior art and are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

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Respectfully submitted,
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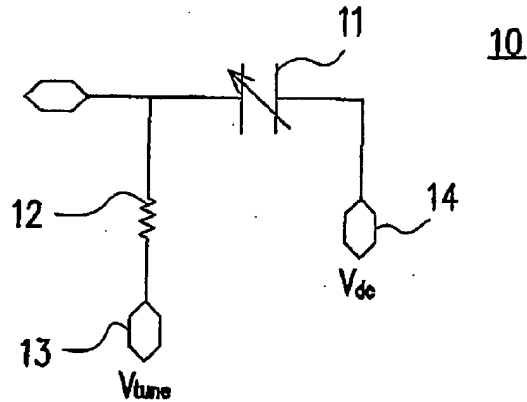
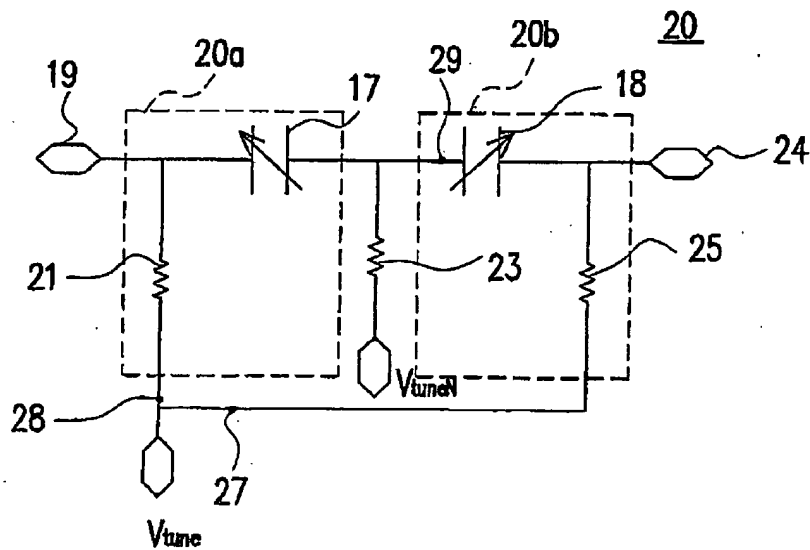

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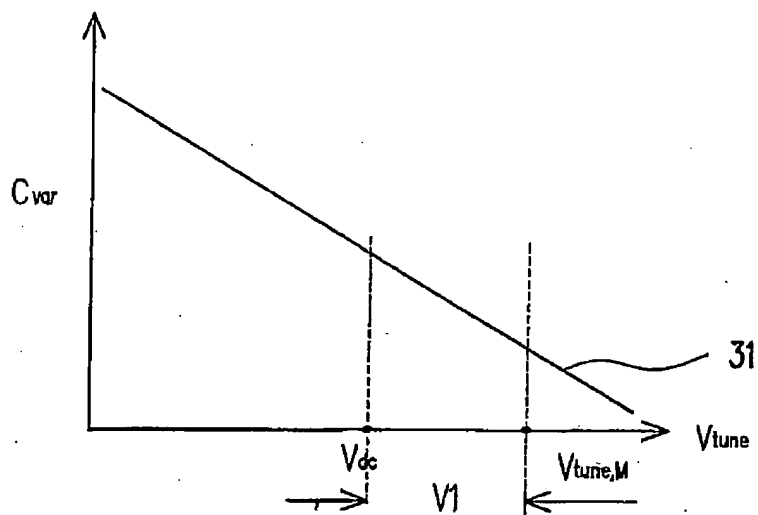
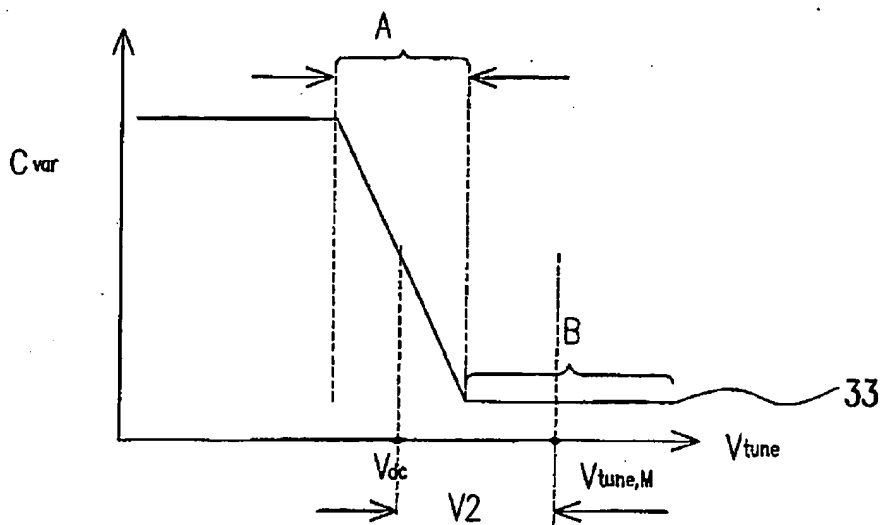
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In The Drawings:

FIG. 1A, FIG. 1B, and FIG. 2B have been amended to include the missing "Prior Art" designation as stated by the Examiner in the Office Action. They are presented in the appendix.

Annotated Marked-up drawing**FIG. 1A(PRIOR ART)****FIG. 1B(PRIOR ART)**

Annotated Marked-up drawing**FIG. 2A****FIG. 2B(PRIOR ART)**